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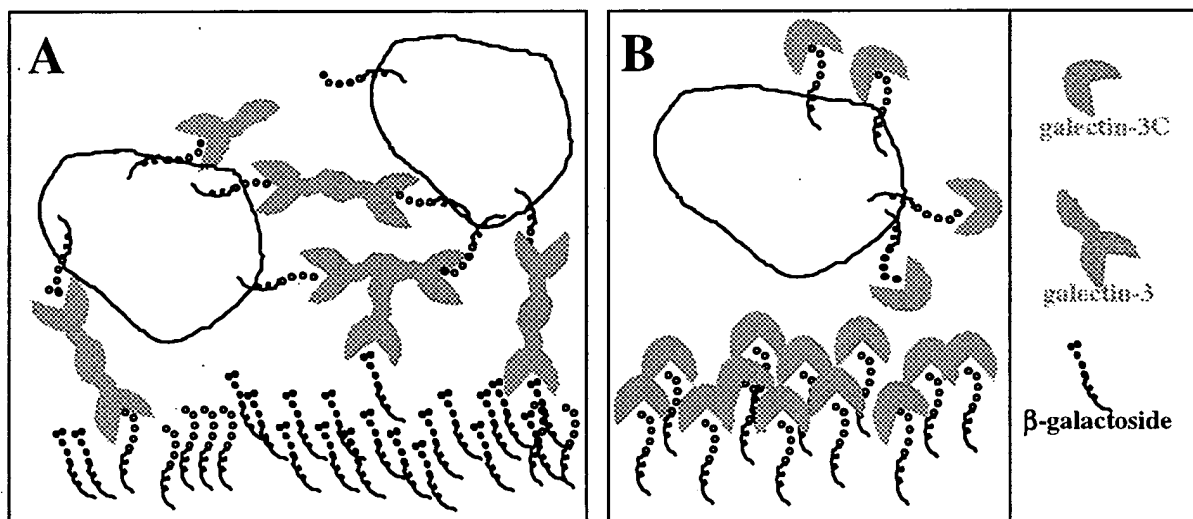
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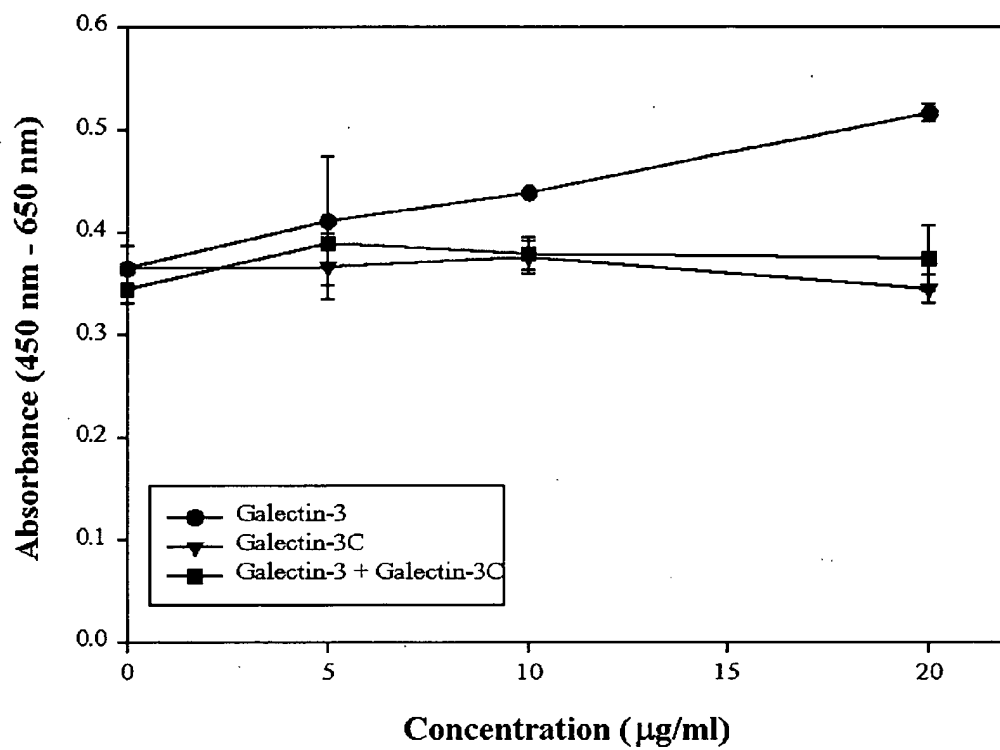
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# FIG. 1



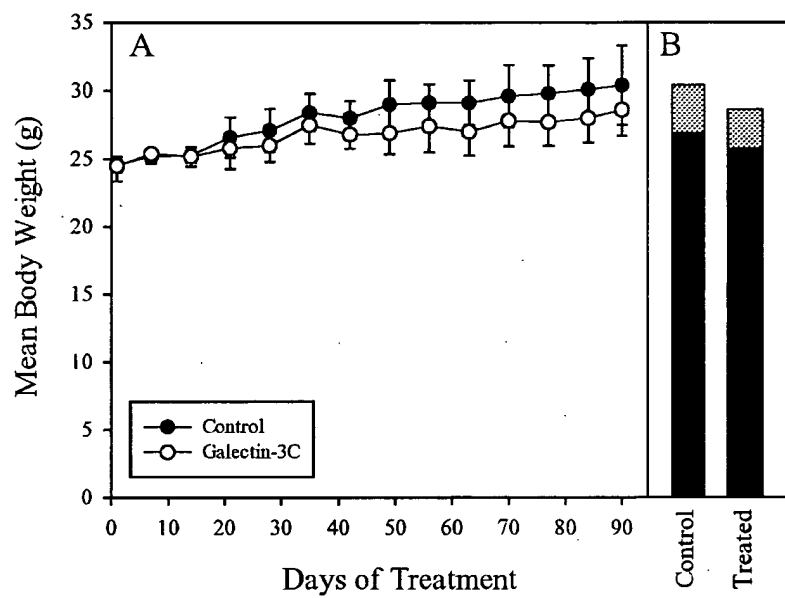
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## FIG. 2



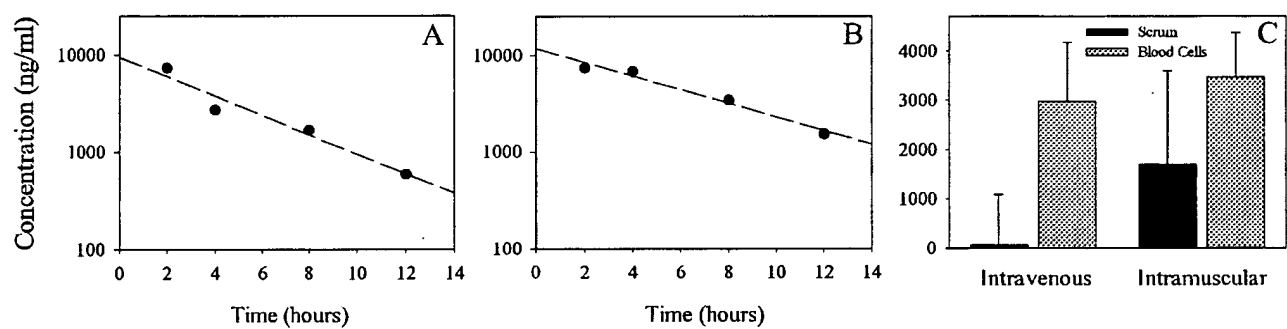
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# FIG. 3



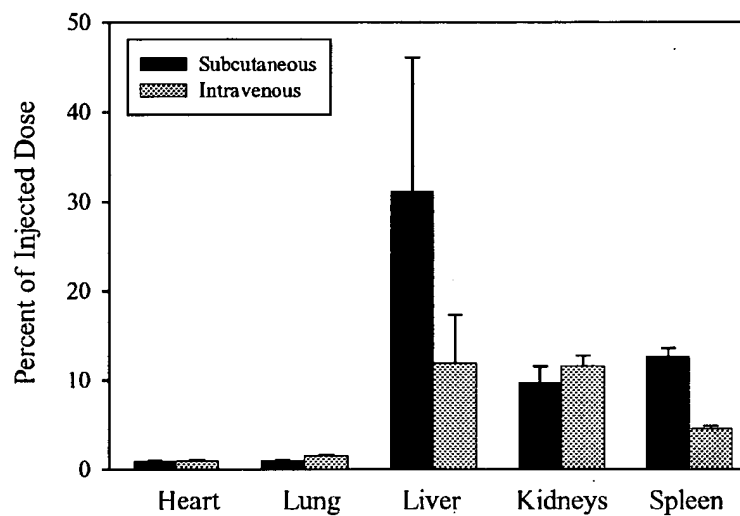
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# FIG. 4



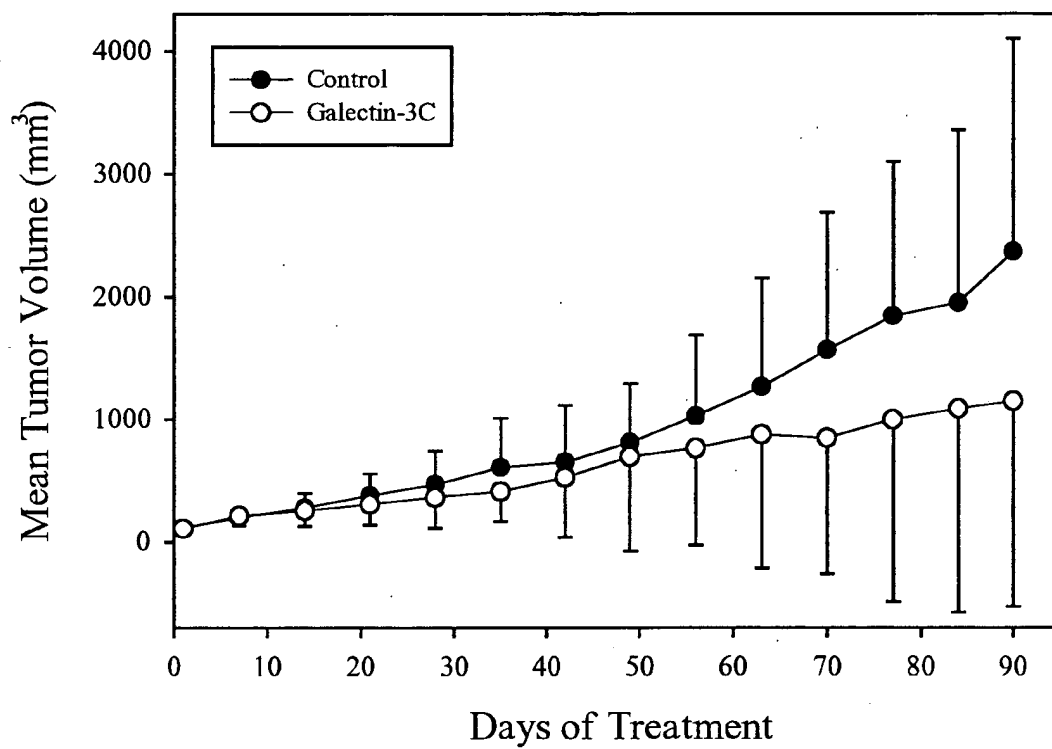
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# FIG. 5



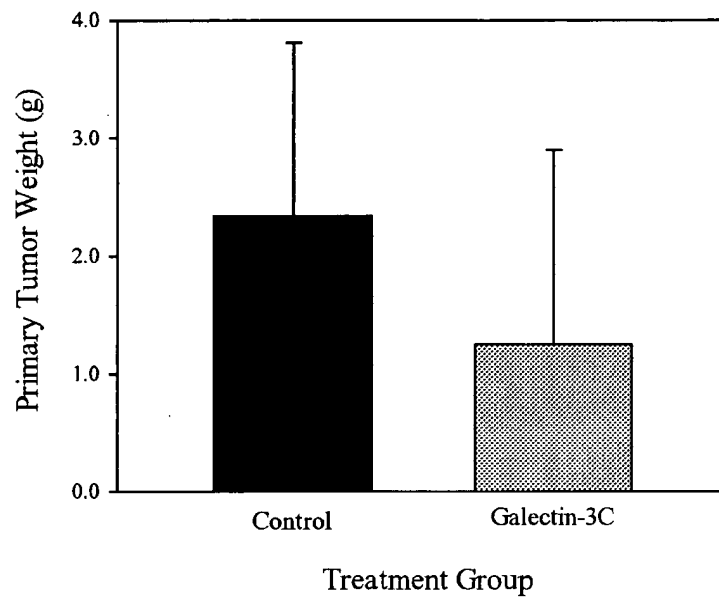
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# FIG. 6



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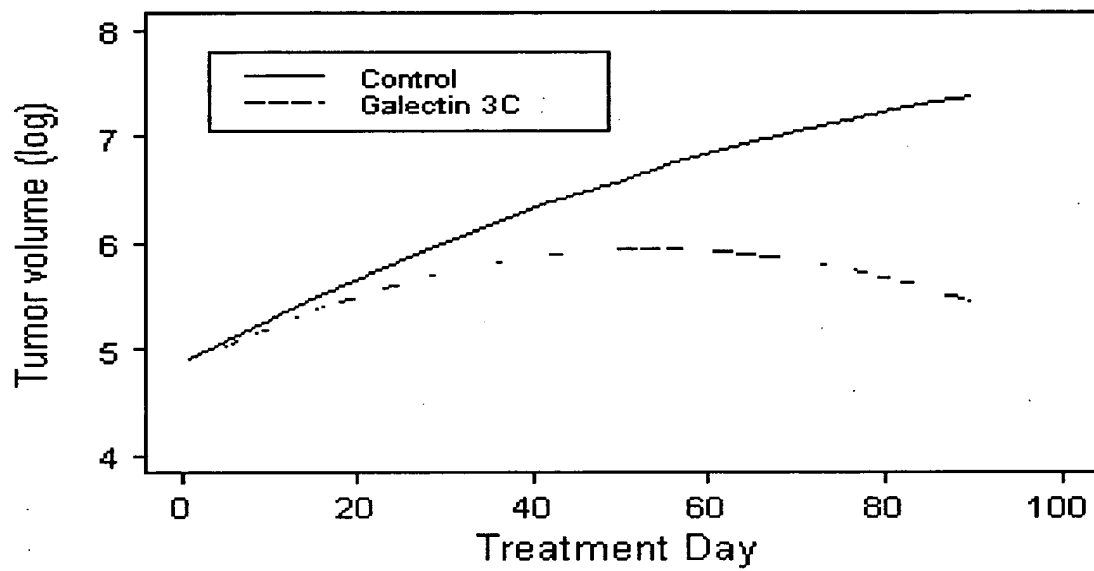
# FIG. 7





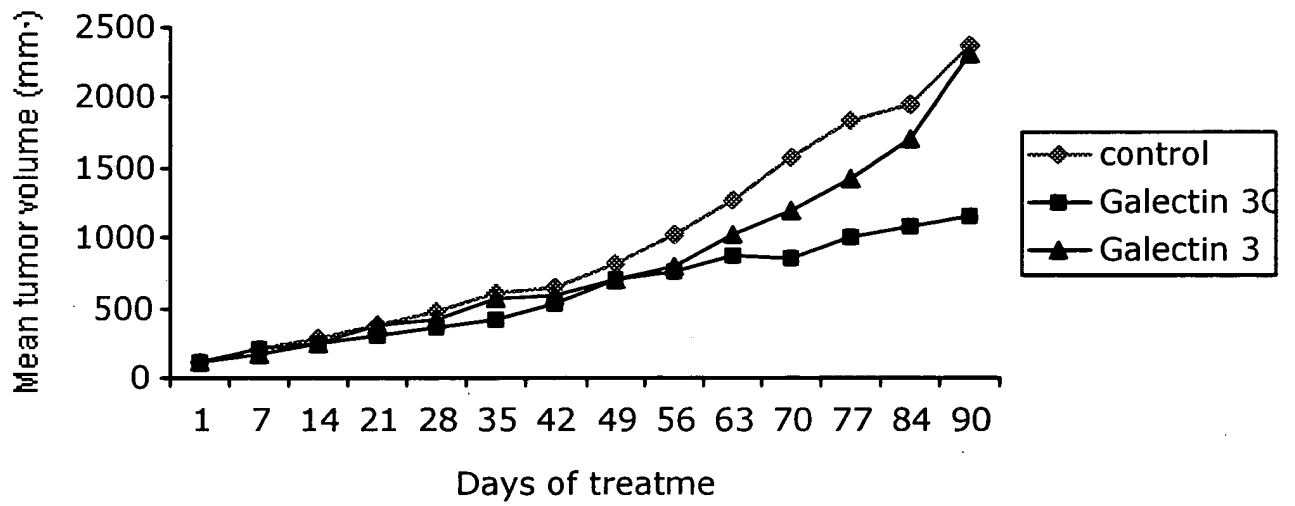
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## FIG. 8



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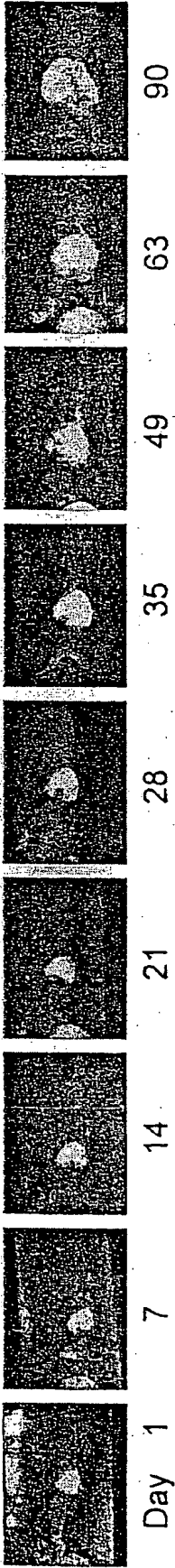
**FIG. 9**



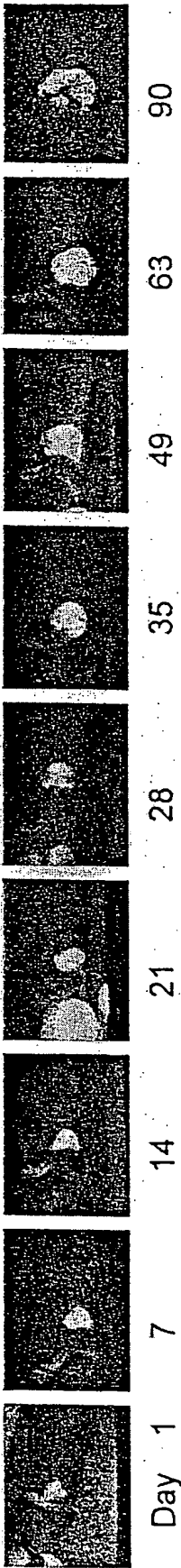
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FIG. 10

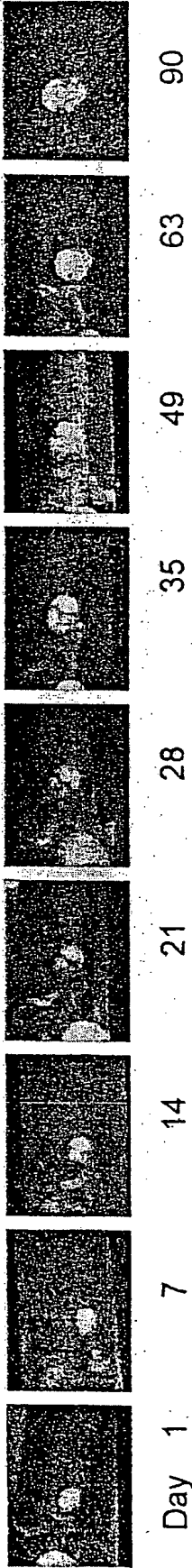
A. Vehicle only \*



B. Galectin-3



C. Galectin-3C



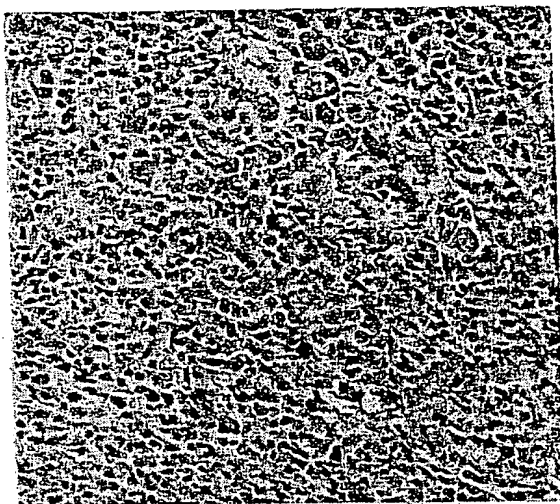
\*Typical representative has been chosen for each group

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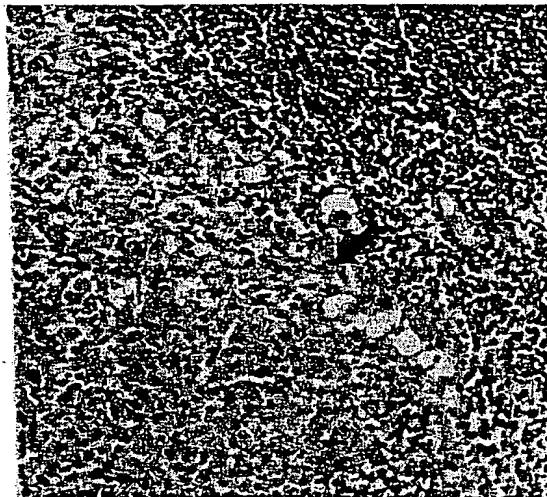
FIG. 11

**UCSF-AntiCancer Inc**  
**Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human**  
**Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model**

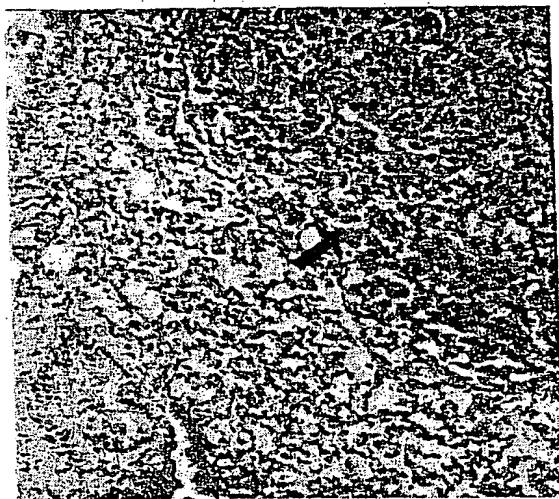
Representative of histopathology photos in the control group (sheet 1 of 2)



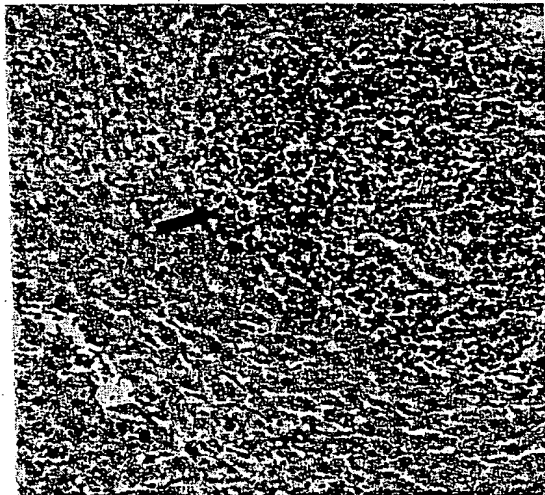
Primary tumor



Lymph node metastasis



Lung metastasis



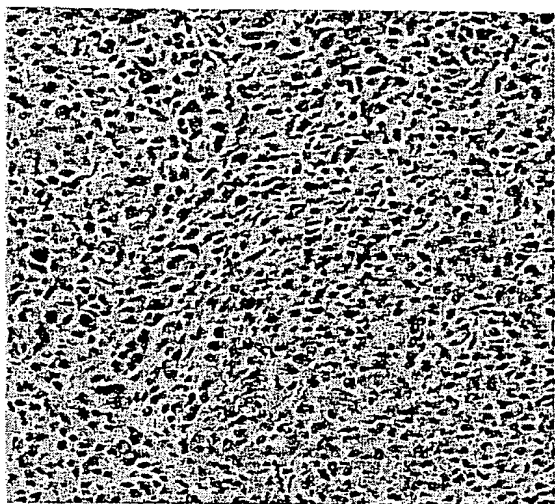
Liver Metastasis

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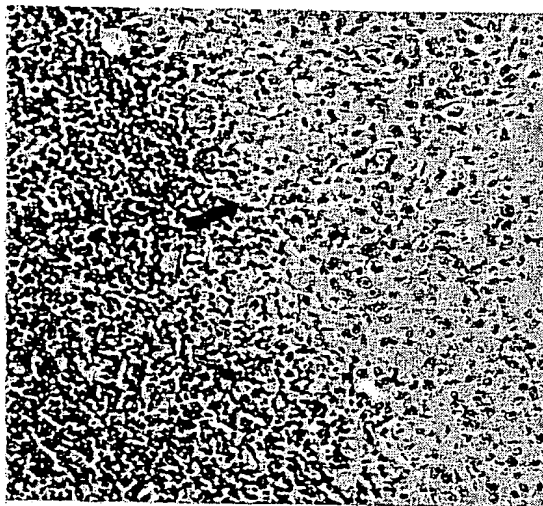
FIG. 12

**UCSF-AntiCancer Inc**  
**Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human**  
**Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model**

Representative of histopathology photos in the control group (sheet 2 of 2)



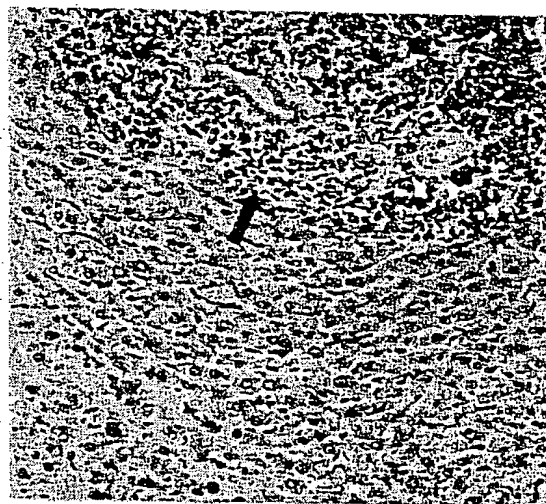
Primary tumor



Lymph node metastasis



Lung metastasis



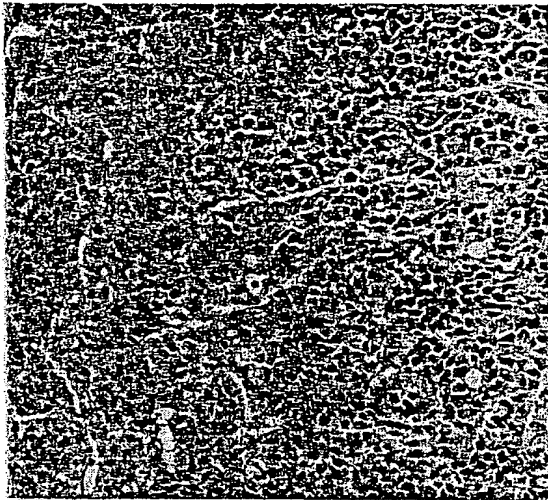
Liver Metastasis

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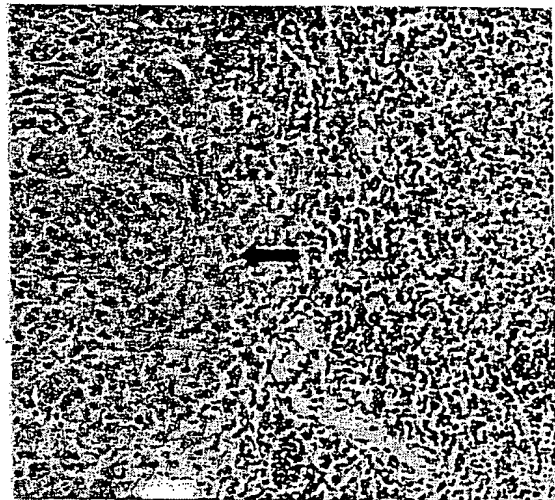
FIG. 13

**UCSF-AntiCancer Inc**  
**Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human**  
**Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model**

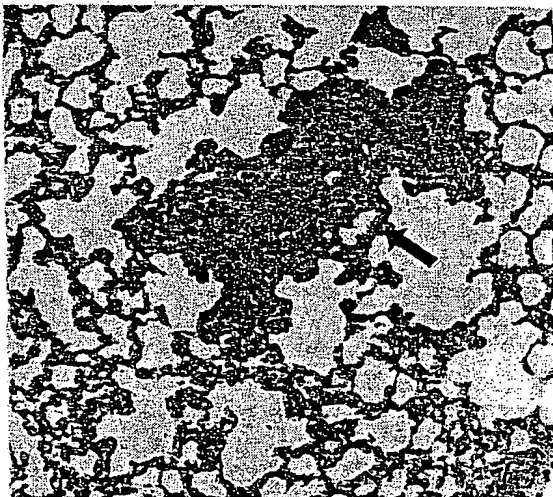
Representative of histopathology photos in the Galectin 3C group (sheet 1 of 2)



Primary tumor



Lymph node metastasis



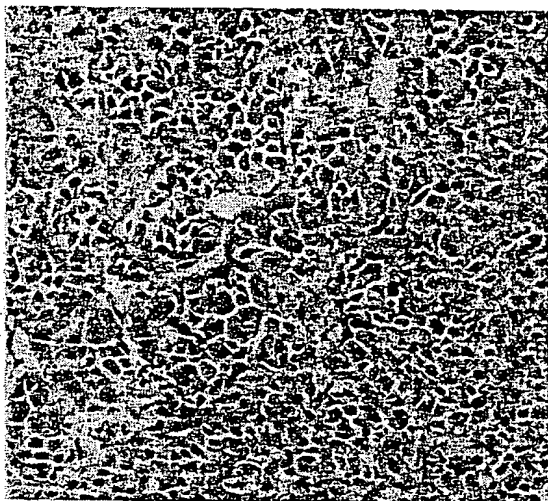
Lung metastasis

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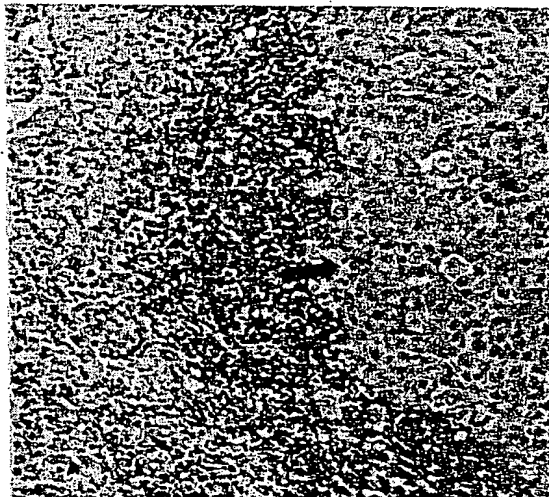
FIG. 14

**UCSF-AntiCancer Inc**  
**Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human**  
**Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model**

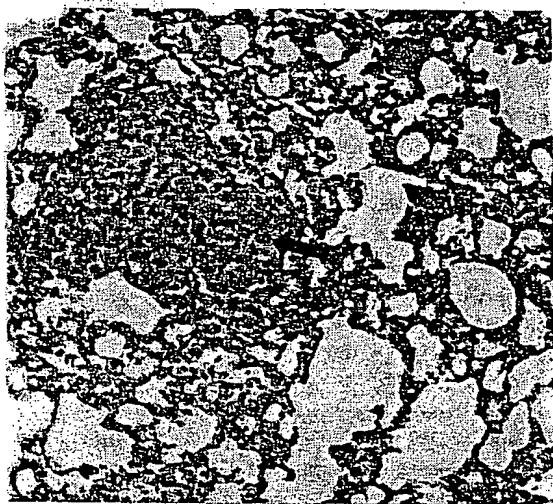
Representative of histopathology photos in the Galectin 3C group (sheet 2 of 2)



Primary tumor



Lymph node metastasis



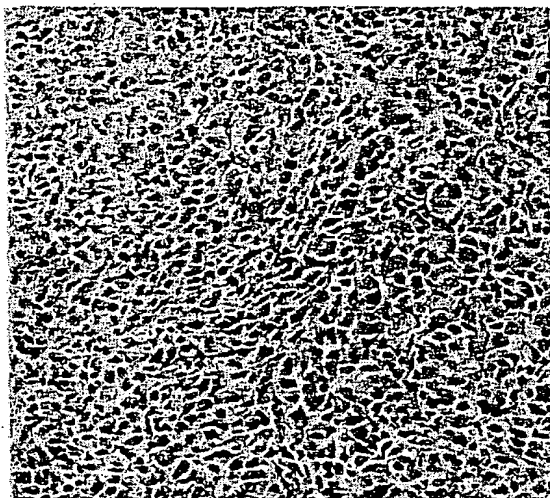
Lung metastasis

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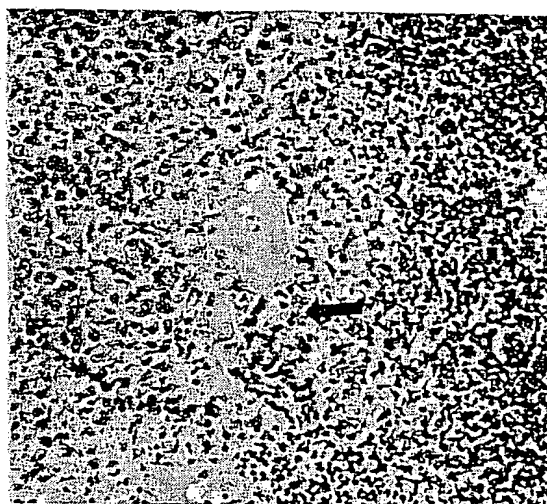
FIG. 15

**UCSF-AntiCancer Inc**  
**Efficacy Evaluation of Galectin 3C Against the GFP-Gene Transfected Human**  
**Breast Cancer MDA-MB435 in the MetaMouse® Orthotopic Model**

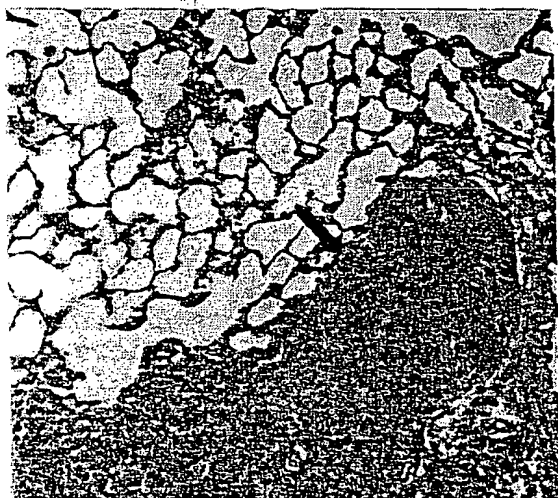
Representative of histopathology photos in the Galectin 3 group (sheet 1 of 1)



Primary tumor



Lymph node metastasis



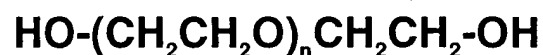
Lung metastasis



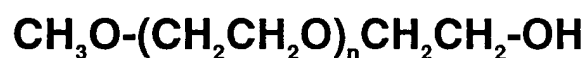
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# FIG. 16

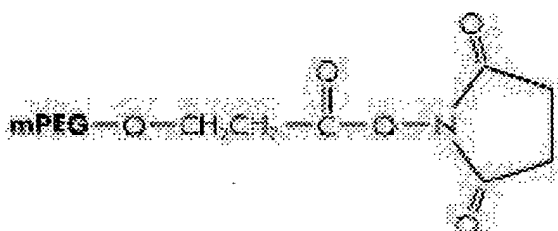
**A. Polyethylene glycol**



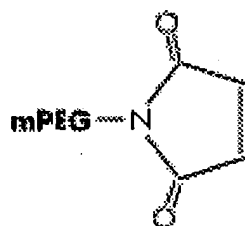
**B. Monomethoxypolyethylene glycol or mPEG**



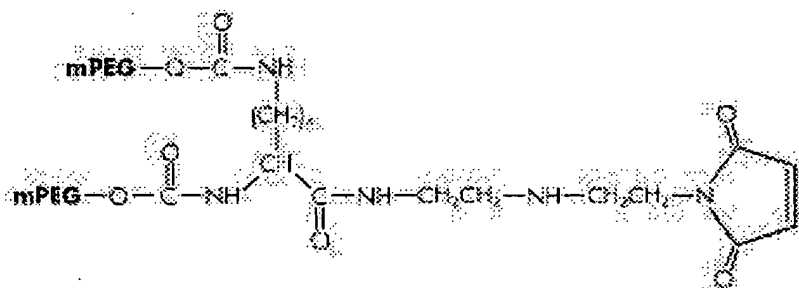
**C. mPEG-Succinimidyl Propionate (mPEG-SPA)**



**D. mPEG-Maleimide (mPEG-MAL)**

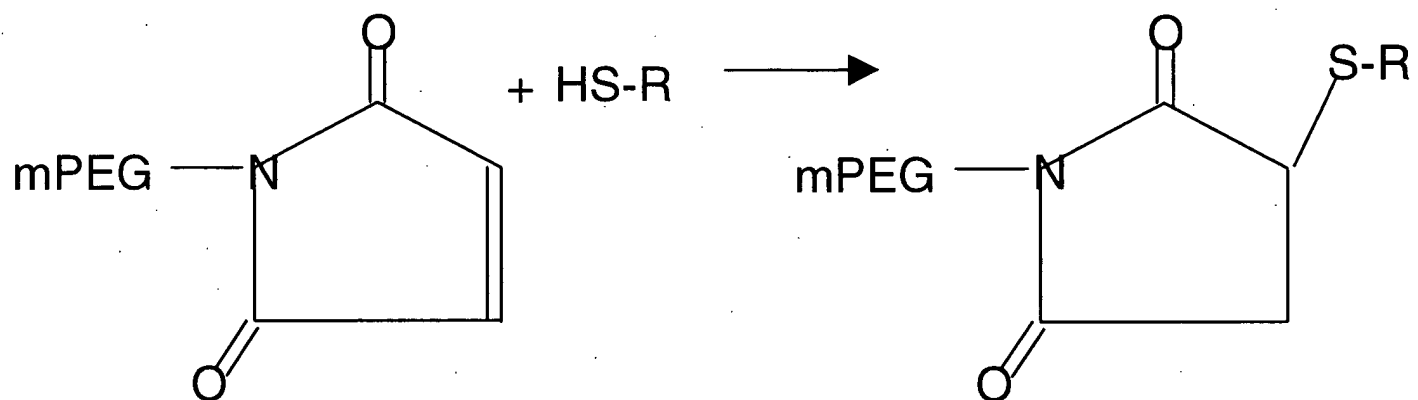


**E. mPEG2-Maleimide (mPEG2-MAL)**



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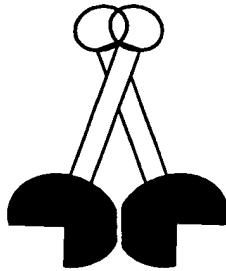
**FIG. 17**



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# FIG. 18

dimeric galectin-3



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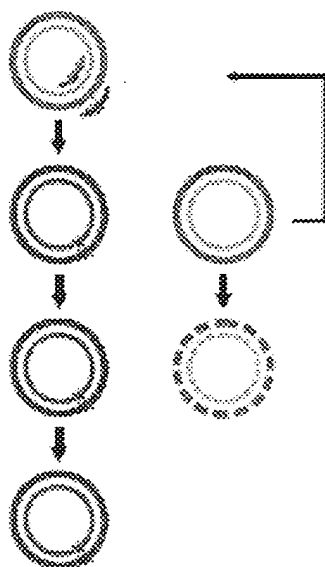
# FIG. 19

*N*-terminally truncated monomeric galectin-3



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## FIG. 20



### Mutant Strand Synthesis

Perform thermal cycling to:

- 1) Denature DNA template
- 2) Anneal mutagenic primers containing desired mutation
- 3) Extend primers with *PfuUltra* DNA polymerase

### Dpn I Digestion of Template

Digest parental methylated and hemimethylated DNA with *Dpn* I

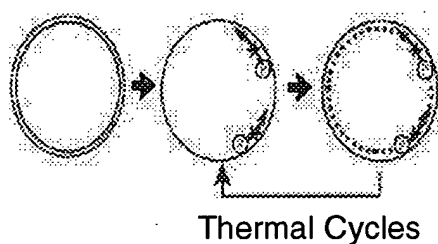
### Transformation

Transform mutated molecule into competent cells for nick repair

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## FIG. 21

### Step 1 Mutant Strand Synthesis (Thermal Cycling)

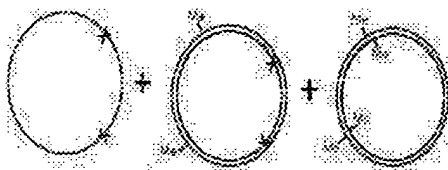


#### Perform thermal cycling to:

Perform thermal cycling to:

- 4) Denature input DNA
- 5) Anneal mutagenic primers (all primers bind to same strand)
- 6) Extend primers and ligate nicks with the QuickChange Multi enzyme blend

### Step 2 *Dpn* I Digestion of Template DNA



Digest methylated and hemimethylated DNA with *Dpn* I

### Step 3 Transformation



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FIG. 22

